A512-2

General Aviation Statistical Data

1980 Edition

General Aviation Manufacturers Association

The General Aviation Manufacturers Association (GAMA) — a national trade association headquartered in Washington, D.C. — represents 39 U.S. manufacturers of general aviation aircraft, engines, avionics, and related items.

Aero Products Research, Inc.
11201 Hindry Avenue
Los Angeles, CA 90045
(213) 641-7242

Aeroquip Aerospace Division
Aeroquip Corporation
300 South East Avenue
Jackson, MI 49203
(517) 787-8121

AVCO/Lycoming Division
AVCO Corporation
550 South Main Street
Stratford, CT 06397
(203) 378-8211

AVCO/Lycoming Division
AVCO Corporation
652 Oliver Street
Williamsport, PA 18801
(717) 323-6181

Beech Aircraft Corporation
9709 East Central
Wichita, KS 67201
(316) 681-7111

Bellanca Aircraft Corporation
Box 69 - Municipal Airport
Alexandria, MN 56308
(612) 762-1501

Aerospace-Electronics Group
The Bendix Corporation
1911 North Fort Myer Drive
Arlington, Va 22209
(703) 841-1200

Cessna Aircraft Company
P.O. Box 1521
Wichita, KS 67201
(316) 685-9111

Champion Spark Plug Company
P.O. Box 910
Toledo, OH 43601
(419) 535-2461

Collins Avionics
Rockwell International
Cedar Rapids, IA 52406
(319) 395-1000

Dukes, Incorporated
9060 Winnetka Avenue
Northridge, CA 91342
(213) 998-9811

Edo-Aire Division
EDO Corporation
216 Passaic Avenue
Fairfield, NJ 07006
(201) 228-1880

Elano Corporation
2455 Dayton-Xenia Road
Xenia, OH 45385
(513) 426-0621

FlightSafety International, Inc.
Marine Air Terminal
LaGuardia Airport
Flushing, NY 11371
(212) 476-5700

Flite-Tronics Company, Inc.
2525 N. Naomi Street
Burbank, CA 91504
(213) 841-3210

The Garrett Corporation
9851 Sepulveda Boulevard
P.O. Box 92248
Los Angeles, CA 90009
(213) 776-1010

Gates Learjet Corporation
P.O. Box 7707
Wichita, KS 67277
(316) 946-2000

Commercial Engine Division
General Electric Company
Cincinnati, OH 45215
(513) 243-2000

Transportation Products Division
Engineered Products Group
B.F. Goodrich Company
500 South Main Street
Akron, OH 44318
(216) 374-2000

Goodyear Aerospace Corporation
1210 Massillon Road
Akron, OH 44315
(216) 796-2121

Gulfstream American Corporation
P.O. Box 2206
Savannah, GA 31402
(912) 964-3000

Hartzell Propeller, Inc.
Box 919
350 Washington Avenue
Piqua, OH 45356
(513) 773-7411

HTL Industries, Inc.
101 East Wheeler Avenue
Arcadia, CA 91106
(213) 574-7880

Jeppesen Sanderson, Incorporated
8025 East 40th Avenue
Denver, CO 80207
(303) 320-6070

King Radio Corporation
400 North Rogers Road
Olathe, KS 66061
(913) 782-0400

McCreary Tire & Rubber Company
1600 Washington Street
Indiana, PA 15701
(412) 357-6600

Mooney Aircraft Corporation
P.O. Box 72
Louis Schreiner Field
Kerrville, TX 78028
(512) 896-6000

NARCO Avionics Incorporated
Commerce Drive
Ft. Washington, PA 19034
(215) 643-2900

Oberdorfer Foundries, Inc.
P.O. Box 1125
Syracuse, NY 13201
(315) 437-0361

Aircraft Products Division
Pacific Scientific Company
1346 S. State College Boulevard
Anaheim, Ca 92803
(714) 774-5217

Parker Hannifin Corporation
Airborne Division
711 Taylor Street
Elyria, OH 44035
(216) 323-4676

Piper Aircraft Corporation
Lock Haven, PA 17745
(717) 748-6711

RCA Avionics Systems
8500 Balboa Boulevard
Van Nuys, CA 91409
(213) 894-8111

General Aviation Division
Rockwell International
5001 N. Rockwell Avenue
Bethany, OK 73008
(405) 789-5000

Sabreliner Division
Rockwell International
6161 Aviation Drive
St. Louis, MO 63134
(314) 731-2260

Sperry Flight Systems
P.O. Box 21111
Phoenix, AZ 85036
(602) 942-2311

Swearingen Aviation Corporation
Box 32486
San Antonio, TX 78216
(512) 824-9421

Aircraft Products Division
Teledyne Continental Motors
P.O. Box 90
Mobile, AL 36601
(205) 438-3411

United Technologies Corporation
Pratt & Whitney Aircraft of Canada
Division
1000 Marie Victorian Blvd.
Box 10
Longueuil, PQ
Canada, J4K 4X9
(514) 677-9411

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U. S. Active General Aviation Aircraft by Type of Aircraft
(in Thousands)

As of January 1	Total	Fixed Wing				Rotorcraft		Balloons Dirigibles Gliders
		Piston		Turboprop	Turbojet	Piston	Turbine	
		Single-Engine	Multi Engine					
Historical								
1975	161.0	131.5	19.7	2.1	1.6	2.3	1.3	2.5
1976	168.0	136.6	20.3	2.5	1.7	2.5	1.6	2.8
1977	178.0	144.8	21.3	2.5	1.9	2.7	1.7	3.1
1978	184.3	149.3	21.5	2.9	2.3	2.7	2.1	3.6
1979	198.8	160.7	23.2	3.1	2.5	2.8	2.5	4.0
1980*	208.0	167.1	24.5	3.4	3.0	2.9	2.9	4.2
Forecast								
1981	218.7	175.8	25.0	3.8	3.2	3.1	3.2	4.6
1982	228.5	183.2	26.0	4.2	3.4	3.3	3.4	5.0
1983	237.1	189.4	26.9	4.6	3.7	3.4	3.7	5.4
1984	245.8	195.7	27.9	5.0	4.0	3.5	4.0	5.7
1985	254.5	202.1	28.8	5.3	4.3	3.6	4.3	6.1
1986	263.2	208.5	29.7	5.6	4.6	3.8	4.6	6.4
1987	271.4	214.4	30.7	5.9	4.8	3.9	4.9	6.8
1988	280.7	221.2	31.6	6.2	5.1	4.1	5.3	7.2
1989	289.4	227.6	32.6	6.5	5.4	4.2	5.6	7.5
1990	298.1	234.0	33.5	6.8	5.7	4.3	5.9	7.9
1991	306.8	240.4	34.4	7.1	6.0	4.5	6.2	8.2
1992	315.5	246.8	35.4	7.4	6.2	4.6	6.5	8.6

* Estimate

Source: FAA

Detail may not add to total because of independent rounding.

An active aircraft must have a current registration and it must have been flown during the previous calendar year.

The long-range forecasts in the 1980 General Aviation Statistical Data book are projections of the Federal Aviation Administration (FAA), not of the General Aviation Manufacturers Association (GAMA). They are provided for information and reference.

U. S. Active General Aviation Aircraft
by FAA Region and State (as of December 31, 1978)

ALASKAN	5799
Alaska	5799
CENTRAL	13782
Iowa	3198
Kansas	3973
Missouri	3949
Nebraska	2661
EASTERN	23786
Delaware	633
District of Columbia	44
Maryland	2556
New Jersey	4167
New York	6272
Pennsylvania	5867
Virginia	3239
West Virginia	1006
GREAT LAKES	34724
Illinois	7269
Indiana	4198
Michigan	7192
Minnesota	4694
Ohio	7143
Wisconsin	4226
NEW ENGLAND	7518
Connecticut	1439
Maine	1200
Massachusetts	2854
New Hampshire	1173
Rhode Island	330
Vermont	519
NORTHWEST	13858
Idaho	2123
Oregon	5435
Washington	6296
PACIFIC	498
Hawaii	475
ROCKY MOUNTAIN	12248
Colorado	4445
Montana	2214
North Dakota	1645
South Dakota	1372
Utah	1544
Wyoming	1026
SOUTHERN	29668
Alabama	2631
Florida	9815
Georgia	3540
Kentucky	1812
Mississippi	2503
North Carolina	4193
South Carolina	1611
Tennessee	3113
SOUTHWEST	26763
Arkansas	2503
Louisiana	3744
New Mexico	1925
Oklahoma	3359
Texas	15231
WESTERN	30880
Arizona	4626
California	24371
Nevada	1882

Columns may not add due to independent rounding and estimation of receivers. Source: FAA

Annual Production of New U. S. General Aviation Aircraft by Unit Shipments, Number of Companies Reporting, and Factory Net Billings

Year	Units Shipped	Companies Reporting	Factory Net Billings (Millions)
1946	35,000	—	$ 110.0
1947	15,594	15	57.9
1948	7,037	12	32.4
1949	3,405	11	17.7
1950	3,386	13	19.1
1951	2,302	12	16.8
1952	3,058	8	26.8
1953	3,788	7	34.4
1954	3,071	7	43.4
1955	4,434	7	68.2
1956	6,738	8	103.7
1957	6,118	9	99.6
1958	6,414	10	101.9
1959	7,689	9	129.8
1960	7,588	8	151.2
1961	6,778	8	124.3
1962	6,697	7	136.8
1963	7,569	7	153.4
1964	9,336	8	198.8
1965	11,852	8	318.2
1966	15,763	10	444.9
1967	13,577	14	359.6
1968	13,698	14	425.6
1969	12,591	14	638.8
1970	7,402	13	364.1
1971	7,464	11	313.1
1972	9,774	12	557.2
1973	13,646	12	828.2
1974	14,166	12	909.4
1975	14,056	12	1,032.9
1976	15,449	12	1,225.5
1977	16,907	12	1,488.1
1978	17,811	12	1,781.3
1979	17,048	12	2,165.0

Source: GAMA

Graph of U.S. General Aviation Aircraft Factory Net Billings
(in Millions of Dollars)

Source: GAMA

U. S. General Aviation Aircraft Exports

Year	Units Exported	% of Total Production	Factory Net Billings (Millions)	% of Total Dollars
1965	2,325	19.6%	$ 61.2	19.2%
1966	2,903	18.4%	75.4	16.9%
1967	3,035	22.4%	76.5	21.3%
1968	2,803	20.5%	91.5	21.5%
1969	2,623	20.8%	107.1	16.8%
1970	2,170	29.3%	98.9	27.2%
1971	1,854	24.8%	95.6	30.5%
1972	2,254	23.1%	137.9	24.7%
1973	3,530	25.9%	230.2	27.8%
1974	4,248	30.0%	287.5	31.6%
1975	3,512	25.0%	308.1	29.8%
1976	3,539	22.9%	331.2	27.0%
1977	3,611	21.4%	354.5	23.8%
1978	3,612	20.3%	486.7	27.4%
1979	3,995	25.5%	600.9	27.9%

Source: GAMA

U. S. General Aviation Aircraft Shipments by Type of Aircraft

Year	Total	Single Engine	Multi-Engine	Total Piston	Turbo-Prop	Jet
1962	6,697	5,690	1,007	6,697	0	0
1963	7,569	6,248	1,321	7,569	0	0
1964	9,336	7,718	1,606	9,324	9	3
1965	11,852	9,873	1,780	11,653	87	112
1966	15,768	13,250	2,192	15,442	165	161
1967	13,577	11,557	1,773	13,330	149	98
1968	13,698	11,398	1,959	13,357	248	93
1969	12,457	10,054	2,078	12,132	214	111
1970	7,292	5,942	1,159	7,101	135	56
1971	7,466	6,287	1,043	7,330	89	47
1972	9,774	7,898	1,548	9,446	179	149
1973	13,646	10,780	2,413	13,193	247	206
1974	14,166	11,562	2,135	13,697	250	219
1975	14,056	11,439	2,116	13,555	305	196
1976	15,449	12,783	2,120	14,903	359	187
1977	16,907	14,057	2,195	16,252	428	227
1978	17,811	14,398	2,634	17,032	548	231
1979	17,048	13,286	2,843	16,129	637	282

Source: GAMA

U. S. General Aviation Aircraft Shipments by Year and Month

YEAR/ MONTH	JAN	FEB	MAR	APR	MAY	JUNE	JUL	AUG	SEPT	OCT	NOV	DEC
1962	555	578	649	587	601	556	452	436	441	676	527	639
1963	588	538	680	709	653	638	548	553	524	684	604	850
1964	725	696	735	834	836	833	745	575	614	1,102	718	923
1965	866	752	1,024	1,082	948	978	985	1,040	834	1,112	1,120	1,111
1966	1,187	1,173	1,495	1,385	1,485	1,396	1,093	1,266	1,522	1,073	1,301	1,211
1967	1,163	1,025	1,204	1,097	1,199	1,184	988	886	927	1,403	1,133	1,273
1968	1,254	1,191	1,216	1,281	1,250	1,014	998	916	1,458	1,075	1,008	985
1969	917	1,038	1,342	1,364	1,193	1,035	917	738	1,170	1,192	722	779
1970	604	617	708	737	719	643	457	505	787	520	475	505
1971	507	520	744	716	587	599	472	643	788	579	522	669
1972	590	688	879	828	857	879	694	853	870	799	894	943
1973	953	1,043	1,250	1,168	1,242	1,145	1,044	1,322	1,076	1,166	997	1,240
1974	1,139	1,141	1,213	1,432	1,131	1,013	1,041	1,226	1,221	1,243	1,232	1,134
1975	1,146	1,246	1,385	1,239	1,164	1,159	1,032	1,043	1,216	1,148	1,144	1,134
1976	1,215	1,288	1,446	1,439	1,424	1,296	924	1,227	1,328	1,306	1,269	1,287
1977	1,289	1,298	1,536	1,496	1,527	1,490	1,152	1,342	1,494	1,177	1,528	1,578
1978	1,145	1,419	1,612	1,489	1,676	1,456	1,250	1,845	1,577	1,432	1,476	1,434
1979	1,194	1,354	1,711	1,623	1,542	1,437	1,250	1,753	1,423	1,153	1,363	1,245

Source: GAMA

Hours Flown in U. S. General Aviation by Type of Aircraft
(in Millions of Hours)

Fiscal Year	Total	Fixed Wing				Rotorcraft		Balloons Dirigibles Gliders
		Piston						
		Single-Engine	Multi-Engine	Turboprop	Turbojet	Piston	Turbine	
Historical								
1975	31.9	22.8	5.3	1.3	.8	.7	.8	.2
1976	33.4	23.9	5.4	1.3	.9	.7	.9	.3
1977	35.3	24.8	5.9	1.5	1.1	.6	1.2	.3
1978	38.5	27.0	6.2	1.6	1.2	.8	1.4	.3
1979	41.1	28.6	6.4	1.7	1.3	.8	1.7	.4
1980*	42.1	29.0	6.6	1.9	1.4	.9	1.9	.4
Forecast								
1981	43.9	30.2	6.8	2.1	1.5	.9	2.0	.4
1982	46.1	31.3	7.1	2.3	1.7	1.0	2.2	.5
1983	47.8	32.3	7.3	2.5	1.8	1.0	2.4	.5
1984	49.7	33.4	7.5	2.7	1.9	1.0	2.7	.5
1985	51.6	34.4	7.8	2.8	2.0	1.1	2.9	.6
1986	53.3	35.4	8.0	3.0	2.1	1.1	3.1	.6
1987	55.2	36.5	8.3	3.1	2.3	1.1	3.3	.6
1988	57.2	37.6	8.5	3.3	2.4	1.2	3.5	.7
1989	58.8	38.6	8.7	3.4	2.5	1.2	3.7	.7
1990	60.9	39.7	9.0	3.6	2.6	1.3	3.9	.8
1991	62.5	40.7	9.2	3.7	2.7	1.3	4.1	.8
1992	64.3	41.7	9.4	3.9	2.8	1.3	4.4	.8

*Estimate. Historical data are revised estimates resulting from sampling procedures.
Source: FAA
Detail may not add to total because of independent rounding.
The long-range forecasts in the 1980 General Aviation Statistical Data book are projections of the Federal Aviation Administration (FAA), not of the General Aviation Manufacturers Association (GAMA). They are provided for information and reference.

Active U. S. General Aviation Aircraft and Average Hours Annually Flown Per Aircraft, by Type

	Estimated Active Aircraft					Average Hours/Aircraft				
	1974	1975	1976	1977	1978	1974	1975	1976	1977	1978
TOTAL AIRCRAFT ...	**161,033**	**168,049**	**177,964**	**184,294**	**198,778**	**195**	**191**	**191**	**194**	**198**
Piston Total	**151,255**	**156,936**	**166,059**	**170,782**	**183,823**	**184**	**180**	**179**	**181**	**185**
Single engine	**131,512**	**136,639**	**144,752**	**149,300**	**160,651**	**171**	**168**	**168**	**167**	**173**
1–3 seats	52,682	54,059	56,547	57,340	59,185	179	175	171	157	171
4 + seats	78,830	82,580	88,205	91,960	101,466	165	163	167	173	175
Multi-engine	**19,743**	**20,297**	**21,307**	**21,482**	**22,950**	**270**	**259**	**253**	**282**	**265**
1–6 seats	14,182	14,663	14,617	15,074	15,621	237	230	221	241	233
7 + seats	5,371	5,456	6,494	6,226	7,328	348	329	320	373	332
Other Piston	190	178	196	182	221	500	472	429	528	466
Turboprop Total	**2,095**	**2,504**	**2,453**	**2,889**	**3,130**	**594**	**522**	**541**	**537**	**513**
Twin Engine										
1–12 seats	1,465	1,928	1,889	2,276	2,507	453	408	416	392	383
13 + seats	555	512	507	549	566	973	945	1,028	1,138	1,099
Other Turboprop	75	64	57	64	56	560	563	351	500	429
Turbojet Total	**1,561**	**1,743**	**1,881**	**2,277**	**2,480**	**482**	**474**	**484**	**572**	**482**
Twin Engine	1,385	1,547	1,692	1,959	2,115	498	488	499	532	481
Other	176	196	189	318	364	358	362	355	384	481
Rotorcraft Total	**3,597**	**4,054**	**4,425**	**4,725**	**5,315**	**396**	**366**	**385**	**395**	**419**
Piston	2,315	2,498	2,701	2,658	2,822	315	275	279	229	286
Turbine	1,282	1,556	1,724	2,067	2,492	544	512	551	609	570
Other	**2,525**	**2,812**	**3,146**	**3,616**	**4,028**	**90**	**87**	**86**	**68**	**84**

Source: FAA

Active U. S. Pilot Certificates Held
(as of December 31, year indicated)

Category	1970	1971	1972	1973[3]	1974	1975	1976	1977	1978	1979
Pilot—total	**732,729**	**741,009**	**750,869**	**714,607**	**733,728**	**728,187**	**744,246**	**[R]783,932**	**798,833**	**814,667**
Student	195,861	186,428	181,477	181,905	180,795	176,978	188,801	[R]203,510	204,874	210,180
Private	303,779	312,656	321,413	298,921	305,848	305,863	309,005	327,424	337,644	343,276
Commercial	186,821	192,409	196,228	182,444	192,425	189,342	187,801	188,763	185,833	182,097
Airline transport	34,430	35,949	37,714	38,139	41,002	42,592	45,072	50,149	55,881	63,652
Helicopter (only)	6,677	7,992	7,987	5,968	5,647	4,932	4,804	4,819	4,874	5,218
Glider (only)[1]	3,114	3,571	4,080	4,288	4,824	5,348	5,789	6,208	6,541	6,796
Lighter-than-air[1]	2,047	2,004	1,970	2,942	3,187	3,132	2,974	3,059	3,186	3,448
Nonpilot—total	**289,681**	**307,057**	**[R]315,348**	**304,747**	**314,394**	**323,934**	**334,681**	**348,584**	**362,350**	**377,213**
Mechanic[1]	184,647	193,295	201,700	193,337	198,863	205,436	212,303	220,768	228,743	237,611
Parachute rigger[1]	6,424	6,839	7,287	6,941	7,900	8,327	8,718	8,994	9,200	9,831
Ground instructor[1]	44,176	46,145	48,450	46,827	49,249	51,365	53,464	55,717	57,738	59,680
Dispatcher[1]	5,293	5,480	5,637	5,527	5,576	5,741	5,838	5,972	6,161	6,446
Control tower operator	21,032	26,450	[R]23,353	23,250	23,342	23,956	24,584	25,107	25,388	25,232
Flight navigator	2,950	3,052	2,957	2,636	2,509	2,321	2,214	2,155	2,092	1,994
Flight engineer	25,159	25,796	25,964	26,229	26,955	26,788	27,560	29,871	33,028	36,869
Flight instructor certificates	37,882	37,760	37,858	36,795	42,418	44,777	46,236	49,362	52,201	54,398
Instrument Ratings[2]	169,848	179,261	187,909	185,969	199,323	203,954	211,364	226,334	236,312	247,096

Source: FAA

[1] Numbers represent all certificates on record. No medical examination required.
[2] Special ratings shown on pilot certificates, i.e., do not indicate additional certificates.
[3] The decrease in the number of airmen resulted from a purging of the airmen certification files. During this process, approximately 26,000 duplicates or faulty records were eliminated.
[R] Revised.

Women Actively Engaged in U. S. Aviation
(as of December 31, year indicated)

Category of Certificates Held	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Pilot—total	**29,472**	**31,216**	**33,001**	**34,356**	**36,943**	**37,934**	**41,643**	**47,294**	**49,874**	**51,733**
Student	15,787	16,417	17,053	18,593	19,298	19,600	22,254	25,705	26,354	26,714
Private	11,409	12,332	13,391	13,232	14,465	14,952	15,838	17,702	19,267	20,275
Commercial	1,897	2,032	2,196	2,083	2,596	2,733	2,857	3,090	3,306	3,618
Airline transport	79	88	101	95	116	137	160	193	270	361
Helicopter (only)	6	9	10	7	5	11	17	18	17	27
Glider (only)[1*]	141	169	201	216	271	301	352	391	433	461
Lighter-than-air[1*]	153	169	49	130	192	200	165	195	227	277
Nonpilot—total	**3,078**	**3,413**	**3,594**	**3,074**	**3,471**	**3,809**	**4,252**	**4,716**	**5,135**	**5,600**
Mechanic[1]	302	322	349	284	315	360	422	505	600	695
Parachute rigger[1]	461	470	483	336	495	504	516	535	544	553
Ground instructor[1]	2,006	2,081	2,166	1,960	2,139	2,249	2,369	2,525	2,682	2,852
Dispatcher[1]	38	39	40	39	42	50	55	65	76	105
Control tower operator	271	501	556	453	473	638	874	1,044	1,151	1,250
Flight-engineer	0	0	0	2	7	8	16	42	82	145
Flight instructor	589	646	664	618	834	945	1,054	1,238	1,458	1,699

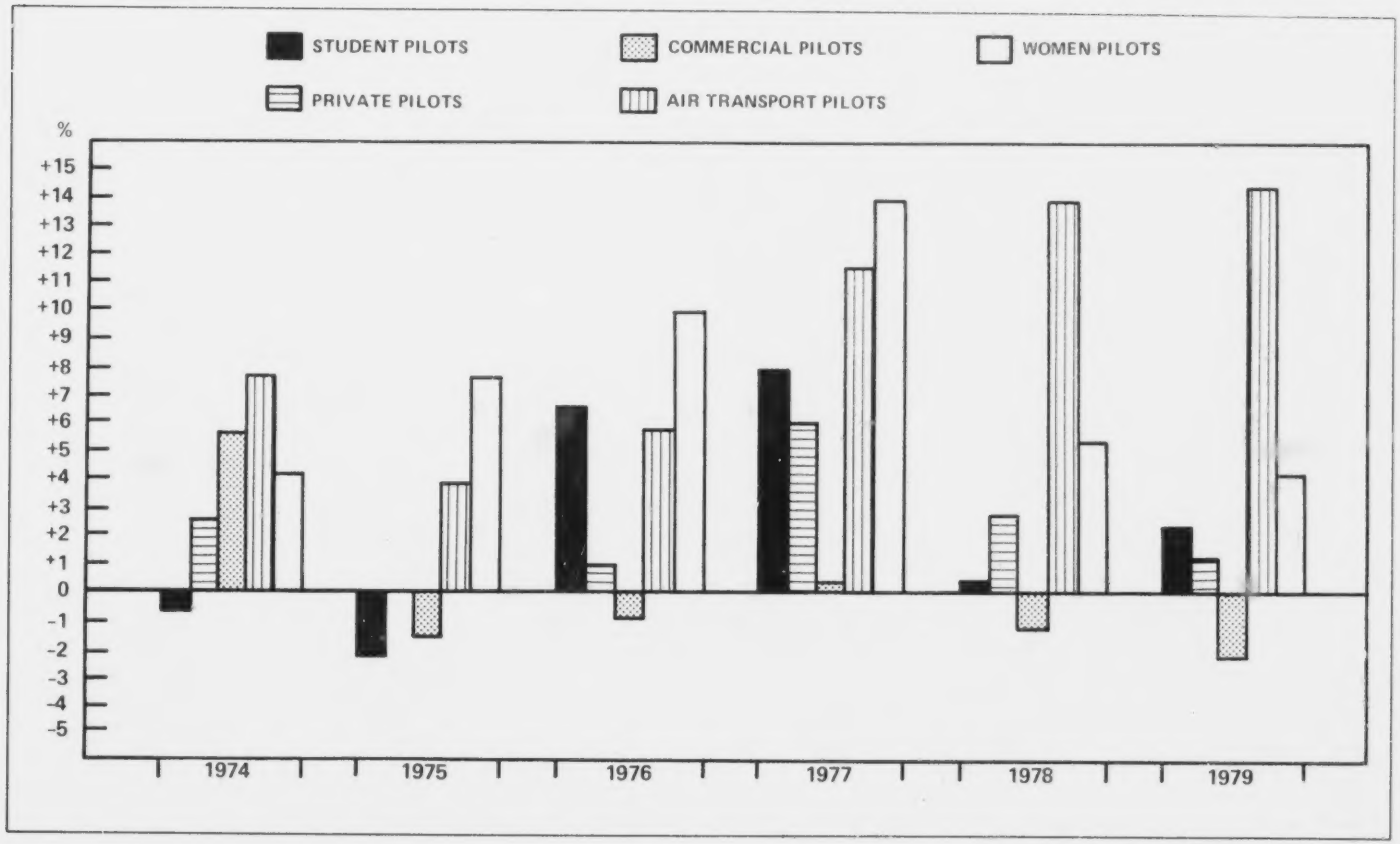
Source: FAA

NOTE: Instrument ratings and Flight navigator not reported.

* Glider and lighter-than-air pilots are not required to have a medical examination; however, the totals above represent pilots who received a medical examination.

[1] No medical examination required.

Chart of Percentage Changes In U. S.
Active Pilot Certificates Held



Source: FAA

Active U. S. Pilots and Flight Instructors by FAA Region and State (as of December 31, 1979)

FAA Region and State	Total Pilots	Student	Private	Commercial	Airline Transport	Miscellaneous[2]	Flight Instructor[3]
Total	814,667	210,180	343,276	182,097	63,652	15,462	54,398
United States—total	800,622	206,568	340,586	177,797	60,540	15,131	53,888
New England—Total	34,986	9,691	13,741	7,246	3,567	741	2,231
Maine	3,983	1,120	1,694	936	173	60	212
New Hampshire	4,255	964	1,487	1,005	712	87	255
Rhode Island	1,795	566	737	377	93	22	121
Massachusetts	13,338	4,072	5,594	2,502	863	307	811
Connecticut	9,965	2,541	3,487	2,080	1,629	228	720
Vermont	1,650	428	742	346	97	37	112
Eastern—total	103,400	28,095	41,867	23,467	7,489	2,482	7,548
New York	31,752	9,451	12,977	6,532	1,856	936	2,231
Pennsylvania	22,841	6,290	9,827	4,646	1,583	495	1,818
Virginia	16,263	3,852	5,654	5,108	1,308	341	1,078
Maryland	10,113	2,545	4,382	2,372	605	209	689
West Virginia	3,019	919	1,266	627	154	53	217
Delaware	1,892	443	791	445	186	27	160
New Jersey	16,716	4,383	6,633	3,546	1,768	386	1,312
District of Columbia	804	212	337	191	29	35	43
Great Lakes—total	138,964	37,063	65,825	26,268	7,756	2,052	9,222
Illinois	34,355	8,878	15,605	6,601	2,660	611	2,408
Indiana	15,465	4,230	7,522	2,949	574	190	1,036
Minnesota	18,870	4,700	8,953	3,699	1,333	185	1,085
Michigan	26,102	7,224	12,723	4,587	1,143	425	1,697
Ohio	29,600	7,939	13,889	5,904	1,368	500	2,123
Wisconsin	14,572	4,092	7,133	2,528	678	141	873
Central—total	51,254	12,486	25,359	10,205	2,600	604	3,113
Kansas	14,781	3,526	7,334	2,987	761	173	843
Iowa	12,174	3,021	6,655	2,074	299	125	671
Missouri	16,127	3,926	7,189	3,439	1,318	255	1,146
Nebraska	8,172	2,013	4,181	1,705	222	51	453
Southern—total	123,527	32,006	47,607	30,630	10,905	2,379	8,282
North Carolina	13,898	3,094	5,825	3,146	780	243	864
South Carolina	7,186	2,018	2,804	1,877	391	96	488
Georgia	17,809	4,490	6,024	4,395	2,569	331	1,060
Florida	49,237	12,039	18,657	12,608	5,168	765	3,324
Mississippi	6,248	1,696	2,440	1,764	271	77	428
Alabama	10,414	2,669	4,077	2,883	415	370	864
Tennessee	12,207	3,232	4,978	2,646	1,053	298	828
Kentucky	6,528	1,958	2,802	1,311	258	199	426
Southwest—total	101,274	25,446	40,090	25,261	8,659	1,818	7,294
Louisiana	11,086	2,988	4,016	3,114	675	293	768
Oklahoma	14,965	3,822	6,906	3,359	696	182	997
Texas	61,044	14,932	23,177	15,179	6,658	1,098	4,590
New Mexico	6,947	1,814	2,965	1,656	323	189	456
Arkansas	7,232	1,890	3,026	1,953	307	56	483
Rocky Mountain—total	42,468	11,434	18,051	9,018	3,001	964	2,749
Colorado	19,493	5,066	7,254	4,263	2,192	718	1,446
Wyoming	3,174	947	1,473	609	117	28	184
Utah	6,063	1,693	2,727	1,197	345	101	382
Montana	5,903	1,561	2,905	1,195	194	48	296
North Dakota	4,012	1,083	1,848	991	63	27	239
South Dakota	3,823	1,084	1,844	763	90	42	202
Western—total	143,027	34,675	61,560	31,506	12,225	3,061	9,218
California	120,180	28,933	52,239	26,205	10,245	2,558	7,623
Arizona	16,545	4,253	6,904	3,884	1,096	408	1,129
Nevada	6,302	1,489	2,417	1,417	884	95	466
Northwest—total	46,941	12,119	20,624	10,379	3,077	742	3,268
Washington	25,477	6,131	10,412	6,153	2,300	481	1,865
Oregon	15,342	4,357	7,394	2,919	491	181	969
Idaho	6,122	1,631	2,818	1,307	286	80	434
Alaskan Region—total	10,809	2,580	4,750	2,645	726	108	683
Pacific Region	3,972	973	1,112	1,172	535	180	280
Outside U.S.—Total	14,045	3,612	2,690	4,300	3,112	331	510

Source: FAA

NOTE: Puerto Rico and Virgin Islands are included in Outside U.S. total.

[1] Includes Outside U.S.
[2] Includes helicopter, glider, and lighter-than-air.
[3] Not included in total.

U. S. Student Pilot Certificates Issued by Month and Year

Month	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Total	**126,871**	**128,004**	**121,543**	**131,384**	**113,997**	**127,424**	**129,280**	**138,816**	**137,032**	**135,956**
January	6,856	8,131	7,515	7,608	8,200	9,794	11,853	10,247	7,385	12,926
February	7,706	7,458	7,936	8,622	6,195	7,506	6,396	8,010	8,253	10,585
March	9,871	10,314	10,176	9,963	7,661	9,445	10,921	11,921	11,234	9,525
April	10,298	9,406	10,445	10,513	7,960	8,654	10,835	9,871	10,646	9,968
May	9,341	10,490	10,495	10,712	10,013	10,204	10,749	10,286	11,032	9,919
June	11,799	11,451	11,174	12,242	10,970	9,865	10,322	11,573	11,490	9,308
July	13,966	13,146	10,366	13,473	10,261	12,339	12,300	11,372	10,544	13,266
August	14,290	13,785	15,007	14,643	12,431	12,471	12,930	15,262	13,839	16,920
September	12,114	12,314	10,850	11,568	10,320	13,587	12,320	13,987	11,904	12,051
October	13,095	12,338	10,962	11,715	10,863	11,979	8,864	11,678	15,548	11,926
November	9,297	10,853	10,298	12,385	9,770	11,681	12,292	15,114	13,096	12,928
December	8,238	8,318	6,319	7,940	9,353	9,899	9,498	9,495	12,061	6,634

Source: FAA

U. S. Civil and Military Joint-Use Airports, Heliports, and Seaplane Landing Facilities

(on Record as of December 31, 1979)

FAA Region and State	Total facilities	By ownership		Paved airports		Unpaved airports	
		Public	Private	Lighted	Not Lighted	Lighted	Not Lighted
Total	**14,746**	**4,761**	**9,985**	**3,711**	**1,907**	**920**	**8,208**
United States—total*	**14,697**	**4,732**	**9,961**	**3,695**	**1,886**	**919**	**8,193**
Alaskan—total	**734**	**521**	**213**	**46**	**18**	**54**	**616**
Central—total	**1,325**	**450**	**875**	**374**	**76**	**144**	**731**
Iowa	258	116	142	94	12	53	99
Kansas	374	126	248	98	18	42	216
Missouri	374	115	259	112	32	26	204
Nebraska	319	93	226	70	14	23	212
Eastern—total	**1,961**	**306**	**1,655**	**407**	**297**	**117**	**1,140**
Delaware	35	3	32	6	6	10	13
District of Columbia	18	8	10	6	8	—	4
Maryland	144	23	121	37	25	9	73
New Jersey	266	30	236	48	53	14	151
New York	482	74	408	99	72	33	278
Pennsylvania	684	80	604	111	89	39	445
Virginia	256	60	196	70	28	9	149
West Virginia	76	28	48	30	16	3	27
Great Lakes—total	**3,065**	**681**	**2,384**	**630**	**183**	**270**	**1,982**
Illinois	891	96	795	105	52	64	670
Indiana	325	72	253	85	22	33	185
Michigan	413	134	279	117	23	49	224
Minnesota	468	147	321	93	10	39	326
Ohio	586	129	457	133	60	57	336
Wisconsin	382	103	279	97	16	28	241
New England—total	**536**	**139**	**397**	**129**	**107**	**9**	**291**
Connecticut	106	15	91	27	32	1	46
Maine	160	48	112	26	15	4	115
Massachusetts	137	32	105	41	38	2	56
New Hampshire	52	16	36	17	13	2	20
Rhode Island	20	8	12	8	3	—	9
Vermont	61	20	41	10	6	—	45
Northwest—total	**867**	**338**	**529**	**192**	**148**	**57**	**470**
Idaho	194	127	67	37	23	4	130
Oregon	308	91	217	63	55	20	170
Washington	365	120	245	92	70	33	170

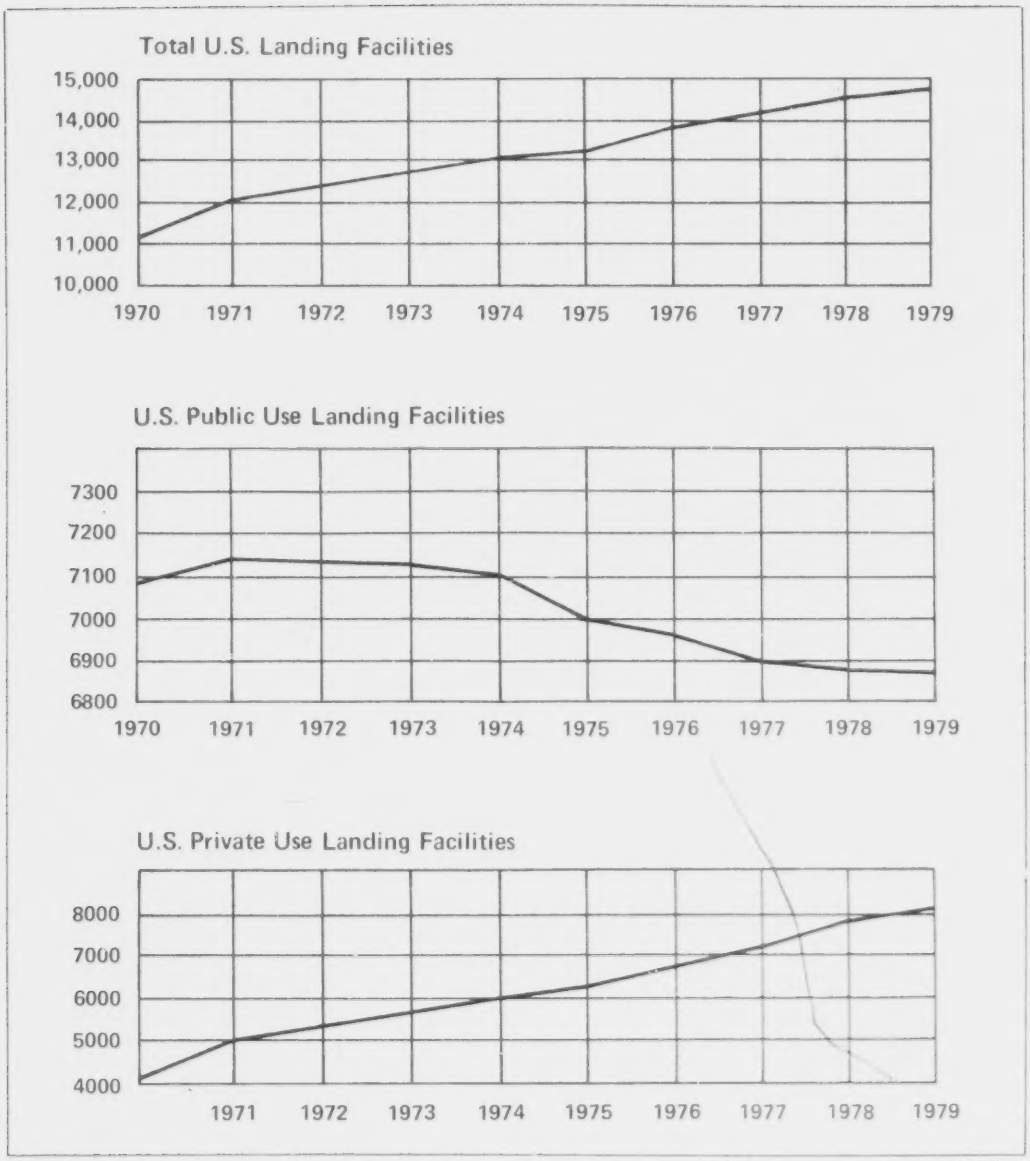
(Continued from page 16)

FAA Region and State	Total facilities	By ownership		Paved airports		Unpaved airports	
		Public	Private	Lighted	Not Lighted	Lighted	Not Lighted
Pacific—total	**69**	**31**	**38**	**14**	**36**	**2**	**17**
Hawaii	54	18	36	10	31	1	12
N. Mariana Islands	4	4	—	1	2	—	1
South Pacific**	11	9	2	3	3	1	4
Rocky Mountain—total	**1,049**	**477**	**572**	**293**	**105**	**85**	**566**
Colorado	301	87	214	69	49	15	168
Montana	177	117	60	64	9	14	90
North Dakota	221	98	123	53	9	25	134
South Dakota	153	75	78	39	6	30	78
Utah	100	58	42	40	21	—	39
Wyoming	97	42	55	28	11	1	57
Southern—total	**1,765**	**717**	**1,048**	**661**	**240**	**94**	**770**
Alabama	156	99	57	91	28	3	34
Florida	458	126	332	119	68	31	240
Georgia	283	122	161	111	31	10	131
Kentucky	112	57	55	48	22	6	36
Mississippi	165	77	88	69	18	8	70
North Carolina	271	80	191	82	22	21	146
Puerto Rico	32	12	20	10	16	—	6
South Carolina	127	63	64	52	11	12	52
Tennessee	155	77	78	77	24	3	51
Virgin Islands	6	4	2	2	—	—	4
Southwest—total	**2,227**	**651**	**1,576**	**636**	**363**	**61**	**1,167**
Arkansas	167	77	90	67	18	6	76
Louisiana	291	74	217	70	55	7	159
New Mexico	145	64	81	46	22	1	76
Oklahoma	292	131	161	115	31	10	136
Texas	1,332	305	1,027	338	237	37	720
Western—total	**1,148**	**450**	**698**	**329**	**334**	**27**	**458**
Arizona	210	96	114	59	37	9	105
California	819	295	524	248	277	15	279
Nevada	119	59	60	22	20	3	74

* Excludes Puerto Rico, Virgin Islands, North Marianna Islands, and South Pacific.
** American Samoa, Guam, and Trust Territory.

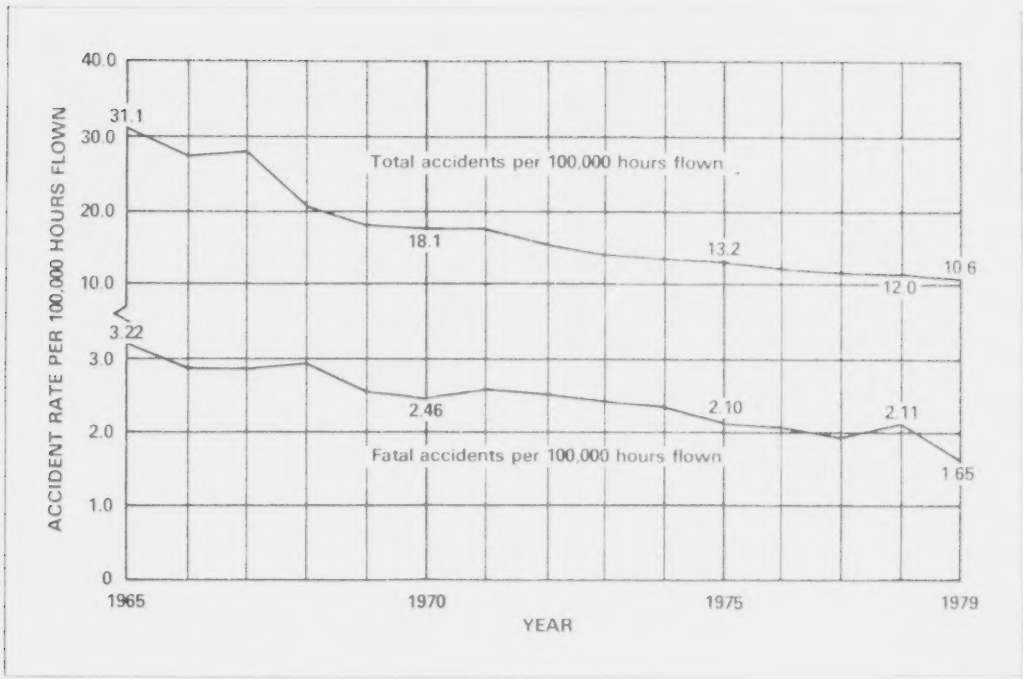
Source: FAA

Graphs of U. S. Landing Facilities



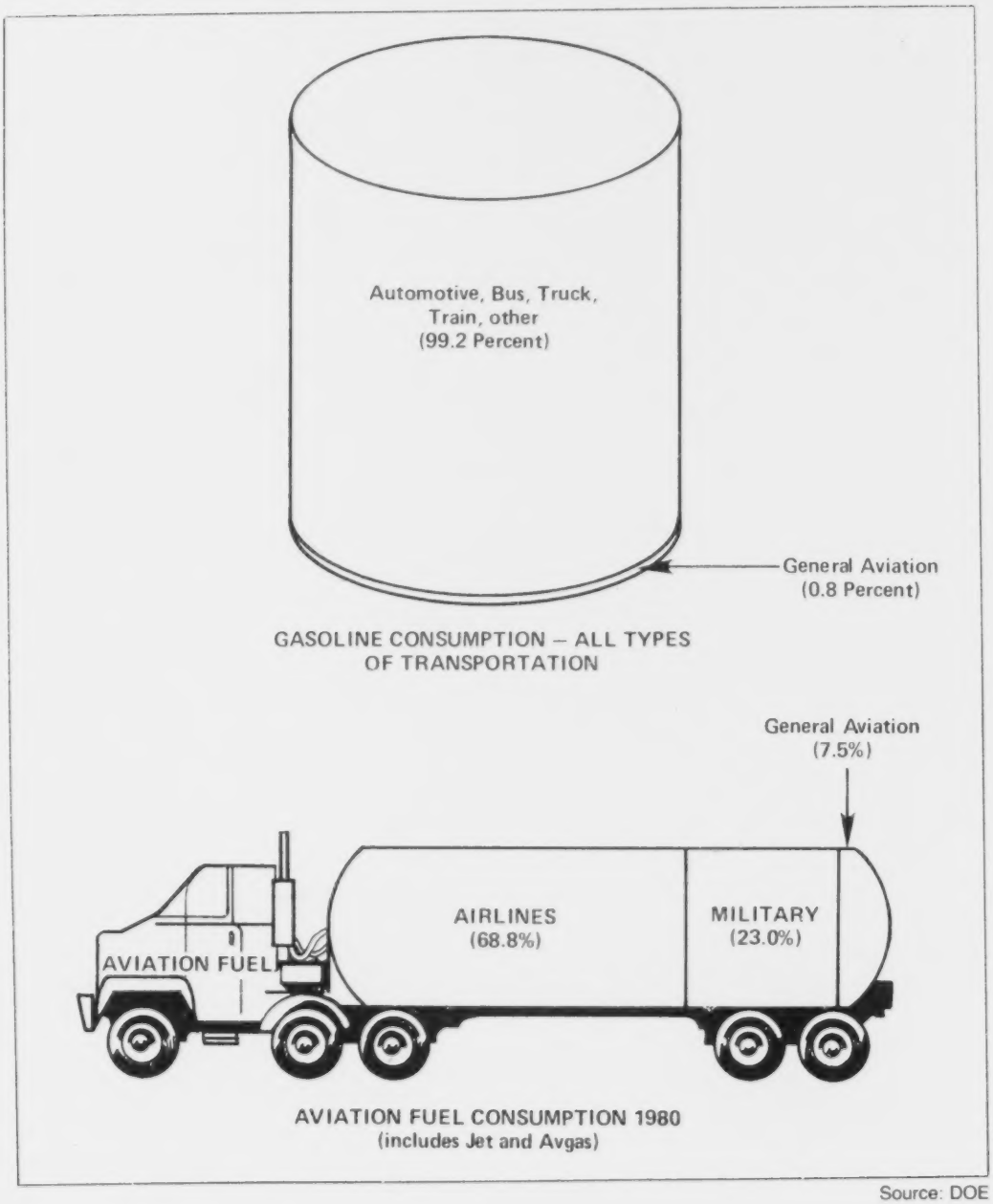
Source: FAA

Graph of U. S. General Aviation Accidents, Fatalities and Rates



Source: NTSB

Energy Usage in General Aviation



Source: DOE